

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

|                       |   |   |                                     |
|-----------------------|---|---|-------------------------------------|
| In re Application of: | <b>Brugger, et al.</b>                            | } |                                     |
|                       |   | } |                                     |
| Serial No.:           | <b>To be assigned</b>                             | } |                                     |
|                       |   | } |                                     |
| Filed:                | <b>Herewith</b>                                   | } | Group Art No: <b>To be assigned</b> |
|                       |   | } | Examiner: <b>To be assigned</b>     |
|                       |   | } |                                     |
| For:                  | <b>Differential Fluid Parameter Determination</b> | } |                                     |
|                       |   | } |                                     |
| Customer No.:         | <b>24994</b>                                      | } |                                     |

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**PRELIMINARY AMENDMENT**

Dear Sir;

Please enter the following amendments to the Patent Application specification filed herewith.

In the Title:

Please amend the Title to read as follows:

**Differential Fluid Parameter Determination ~~Conductivity Hemodynamic Monitor~~**

IN THE SPECIFICATION:

On page 1, first paragraph, please replace the first paragraph with the following amended paragraph:

This patent application is a continuation of US Patent Application Serial No. 10/238,164 filed September 10, 2002; which is a continuation of US Patent Application Serial No. 09/563,107 filed May 2, 2000, now U.S. Patent No. 6,452,371; which is a continuation of U.S. Patent Application Serial No. 09/220,139 filed December 23, 1998, now U.S. Patent No. 6,075,367; which is a continuation of U.S. Patent Application Serial No. 08/876,445 filed June 16, 1997, now U.S. Patent No. 5,900,726; which was a continuation of U.S. Patent Application Serial No. 08/486,982 filed June 7, 1995, now U.S. Patent No. 5,644,240; which was a continuation-in-part of ~~co~~-pending U.S. Patent Application Serial No. 08/332,647 filed November 1, 1994, now U.S. Patent No. 5,510,716; which was a continuation of U.S. Patent Application Serial No. 07/954,584 filed September 30, 1992, now abandoned.

Please amend the Specification further as follows:

On page 10: line 2, delete "44" and insert "42" in lieu thereof;

On page 10: line 11, delete "28" and insert "30" in lieu thereof;

On page 25: line 7, delete "as and incident" and insert "as an incident" in lieu thereof.

IN THE INVENTORSHIP:

Please amend the inventorship pursuant to the previously granted petition to include the additional inventors: Francis T. Ogawa and George W. Buffaloe, IV.

The previously named inventor, James M. Brugger has changed his address to 5B Hillside Avenue, Newburyport, Massachusetts 01950.